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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
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1. The IFA Forschungs-und Entwicklungswerk Chemnitz (IFA Research and Development Plant Chemnitz) is more or less the successor of the Kraftfahrtechnische Versuchsanstalt (Technical Automotive Experimental Station) which, in its time, was housed in the buildings now occupied by the Chemnitz Kauffahrtei (Chemnitz Commercial Navigation Company). The following projects and development are being carried out for the manufacture of automobiles and test stands:

2. Automobiles.

- a. The KVP personnel carrier G 5 with a 200-HP motor, three-axle all-wheel drive, for cross-country operation, with a maximum possible axle clearance adjustment of up to 1 meter. The truck is equipped with a hook, tow cable and windlass.
- b. The P 2 S, a five-passenger amphibious personnel carrier with a 6-cylinder 45-HP motor.
- c. The P 2, a five-passenger personnel carrier, an imitation of the jeep with the same motor as the P 2 S. Three completed vehicles are on hand.
- d. The P 2 L and N passenger cars for civilian use, with two types of body design; one similar to the Ford Taunus and one a streamlined type.
- e. The EMW 45-HP motor is used in the P 2 cars, the IFA F 9 cars, however, are driven by the 3-cylinder, two-phase, 28-HP motor. The cars of this type, mass-produced at the present, are to be fitted with another type of body, since the ones produced so far, are not wind-proof.
- f. The F-9 motor is equipped with a gasoline injection pump, instead of a carburetor. It achieves a step-up performance from 28 to 42 HP with a 25% saving of fuel. At present, one experimental vehicle is on hand.

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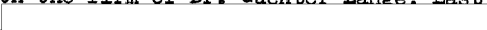


3. Test stands being developed for the Russians:

- a. Test stand for racing motors up to 12 cylinder fitted with devices for measuring and recording pressure, heat, current, consumption, etc. Recording is done by means of electron tubes, measuring amplifiers, and oscillographs.
- b. Test stand for clutches and gears.
- c. Moment of rotation measuring clutch for measuring the axle and drive shafts of moving vehicles.
- d. Procedures for the measurement of gas and liquid pressures by means of piezo-electric effect of quartz crystals.
- e. Test stand with a total of 720 recorder points for exhaust-gas turbines.
- f. Roll test stand, adjustable for automobiles of all types and sizes. 50X1-HUM
- g. 

4. A project for the development of an auxiliary motor for a bicycle is in progress. This motor, with a 50-ccm content is designed to be built into the hub of the front wheel.

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5. Close collaboration is maintained with the firm of Dr. Guenter Lange. East Berlin, which produces tachometers. 

6. Short materials, manufactured almost exclusively in the West and necessary for the completion of the research, and, especially, for the construction of the testing machines, are high-quality condensers, 10 to 50 kv; tension insulators; constantan wire; etc. USIG, which is interested in the developments, is engaged in the procurement of these materials. The Werk fuer Fernmeldewesen HF and, especially Dr. Ignatz Ladurner of this firm, are working on the development of the tubes. Dr. Ladurner is an authority in the field of tube development in the East Zone.

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